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| Application No. | Applicant(s)     |  |
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| Examiner        | Art Unit         |  |
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|                 | 2014             |  |

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| CI        | laim       | Date    |               | е       |         | 1        | Cla      | aim         | Г   | Date          |          |            |          |          | ĊI       | aim      | Date     |        |               |          |         |          |          |               |               |                |          |
|-----------|------------|---------|---------------|---------|---------|----------|----------|-------------|-----|---------------|----------|------------|----------|----------|----------|----------|----------|--------|---------------|----------|---------|----------|----------|---------------|---------------|----------------|----------|
|           | Τ_         | Г       | ПТ            | Т       | Т       | T        | П        | $\neg$      | ı   |               |          | Т          | П        | Т        | П        | Т        | П        | 100    |               |          | т       | Т        | т        |               |               | $\neg$         | $\top$   |
| Final     | Original   | 3/23/05 | ΙI            |         |         | 1        | 1 1      |             |     | -             | Original | 3/23/05    | 1 1      |          | 1 1      | - 1      | 1 1      | 100    | 75            | Original |         | 1        |          |               |               |                | 11       |
| ],⊆       | <u>.</u> 5 | 33      | ш             |         | -       | -        | 1 1      | - 1         |     | Final         | <u>.</u> | 8          | 1 1      |          | 1.1      |          |          |        | Final         | į        |         |          | 1        |               |               | - 1            |          |
| 1 "       | ō          | ě       | 11            |         |         |          | 1 1      |             |     | ш.            | ŏ        | 18         |          |          |          |          |          | UH     | ш.            | 8        |         |          | 1        |               | - 1           |                |          |
| $\vdash$  | + -        | ١.      | Н             | -       | +       | +        | +        | -           |     | -             |          | μ.         | ш        | _        | $\perp$  | -        | Ц.       |        |               |          |         |          |          |               | $\perp$       |                |          |
|           | 1          | ٧       | Ш             | _       | 4       | _        | $\vdash$ | _           |     | _             | 51       | 1          | ш        |          | $\perp$  |          |          | 188    |               | 101      |         |          |          |               |               |                |          |
| _         | 2          | 1       |               |         |         |          |          |             |     |               | 52       | 1          |          |          | 1 1      |          |          |        |               | 102      |         | Т        |          |               | $\neg$        | Т              | П        |
|           | 3          | Ш       |               |         |         |          |          |             |     |               | 53       | и          |          |          |          |          |          |        |               | 103      |         | Т        |          |               | $\neg$        | т              | $\Box$   |
|           | 4          | П       | П             | Т       | $\neg$  | Т        | П        |             | 1   |               | 54       | П          |          | Т        | П        |          |          |        |               | 104      |         | $\top$   |          |               | $\neg$        | $\neg$         | ┰        |
|           | 5          | Π       | П             | Т       | Т       | 1        | П        | Т           |     |               | 55       | V          | П        | 1-       |          |          |          | 100    |               | 105      |         |          |          | $\neg$        |               | $^{-}$         | +        |
|           | 6          | П       |               |         | $\top$  |          | П        |             |     |               | 56       |            | $\vdash$ | _        | $\vdash$ |          |          | 188    |               | 106      | _       | +-       | $\vdash$ | Н             | $\rightarrow$ | +              | +        |
|           | 7          | H       | 1             | _       | _       | +        | $\vdash$ | _           |     |               | 57       | -          |          | +-       | $\vdash$ | +        | -        | 100    |               | 107      | -       | +        | $\vdash$ | $\vdash$      | $\rightarrow$ | +              | +        |
|           | 8          | +       | $\vdash$      | +       | +       | +        | +        | _           |     | $\overline{}$ | 58       |            | $\vdash$ | +        | $\vdash$ | +        | +        | 1110   | _             | 108      | -       | +        | $\vdash$ | $\dashv$      | +             | -              | +        |
| _         | 9          | H       | $\vdash$      | +       | +       | +        | +        | +           |     | -             | 59       | -          | ⊢-       | +        | +        | -        | -        | -      |               | 100      | +       | +-       | ⊢        | -             | -             | -              | -        |
| $\vdash$  | 10         | Н       | $\vdash$      | +       | +       | +        | +        | +-          |     |               |          | ⊢          | $\vdash$ | +        | $\vdash$ | -        | -        | 4 1    | _             | 109      | _       | _        | Ш        | _             | _             | -              | +        |
| $\vdash$  |            | н       | $\vdash$      | +       | +       | +        | $\vdash$ | +           | H   | _             | 60       | Ι-         | H        | +        | Н        | _        | _        |        |               | 110      | _       | +-       | L        |               | _             | _              | $\perp$  |
| -         | 11         | н       | $\vdash$      | +       | +       | +        | ⊢        | +           |     |               | 61       | _          | ш        | +-       | $\vdash$ | $\perp$  | -        |        |               | 111      |         | _        | Ш        |               | _             | _              | $\perp$  |
| -         | 12         | 4       | ш             | $\perp$ | +       | 4        | $\perp$  | _           |     |               | 62       | L          | Ц.       | 4        | $\sqcup$ |          |          |        |               | 112      |         |          | $\Box$   | $_{\perp}$    |               |                | u        |
| _         | 13         | 1       | Ш             | _       | 1       | _        | ш        | $\bot$      |     |               | 63       | _          |          | ┸        | Ш        | $\perp$  |          |        |               | 113      | $\perp$ | L        | $\Box$   |               | J             | $\perp \Gamma$ |          |
| L         | 14         | $\perp$ | $\perp$       | $\perp$ | T       |          | $\Box$   |             | H   |               | 64       |            |          |          |          |          | T        |        |               | 114      | Т       |          | П        | 7             | T             | Т              | П        |
|           | 15         | П       | Ш             | ⊥       | ┸       | L        | Ш        | $\perp$     |     |               | 65       |            |          | Τ        |          | П        |          |        |               | 115      |         | Т        | П        |               | $\neg$        | $\top$         | П        |
|           | 16         | Т       |               | Т       | Т       |          | П        | Т           |     |               | 66       |            |          | 1        | П        | $\neg$   | $\top$   |        |               | 116      |         | $\vdash$ | П        | _             | 寸             | +              | $^{+}$   |
|           | 17         | Т       |               |         | $\top$  | 1        | $\Box$   |             |     | $\neg$        | 67       | _          |          | $^{-}$   | $\vdash$ | $\vdash$ |          | m      |               | 117      | +       | -        | Н        | $\dashv$      | _             | +              | +        |
|           | 18         | 1       |               | $\top$  | $\top$  | $\vdash$ | $\vdash$ |             |     | -             | 68       | _          | -        | +        | $\vdash$ |          | _        |        |               | 118      | +       | +        | Н        | $\dashv$      | -             | +              | +        |
|           | 19         | Н       |               | +       | +       |          | $\vdash$ |             |     | -             | 69       | -          | +        | +        | $\vdash$ | +        | _        | 1000   | _             | 119      | +       | +        | Н        | $\dashv$      | +             | +-             | +        |
| $\vdash$  | 20         | Н       | $\dashv$      | +       | +       | +        | $\vdash$ | +           |     | $\dashv$      | 70       | -          | -        | +        | $\vdash$ | -        | _        | 100    | -             | 120      | +       | -        | $\vdash$ | -             | $\rightarrow$ | +              | +        |
| $\vdash$  | 21         | Н       | +             | +       | +       | +-       | ⊢-       | +           |     | -             | 71       | _          | -        | -        | $\vdash$ | -        | _        |        | -             |          | -       | +-       | ш        | -             | -             | +              | +        |
| $\vdash$  | 22         | Н       | +             | +       | +       | +        | $\vdash$ | +           |     | -             |          | _          | -        | ╄        | Н        | $\perp$  |          | la l   | _             | 121      |         | $\perp$  | Ш        | 4             | 4             | 4              | ш        |
| -         |            | Н       | $\rightarrow$ | -       | +       | $\vdash$ | ₩        | +           | ш,  |               | 72       |            |          | ╀-       | ш        | $\perp$  | _        |        |               | 122      |         |          |          | _             |               |                | ш        |
| $\vdash$  | 23         | н       | -             | +       | +       | $\vdash$ | ш        | _           |     | $\rightarrow$ | 73       | _          | 4        | _        |          | $\perp$  | _        | lm.    |               | 123      |         |          |          |               |               |                | ш        |
| $\vdash$  | 24         | Н       | _             | _       | 1       | $\perp$  | ш        |             |     |               | 74       |            |          | $\perp$  | ш        | $\perp$  |          | 300    |               | 124      |         |          |          |               | $\perp$       |                | $\Box$   |
|           | 25         | ш       | _             | _       | ╨       | $\perp$  | $\perp$  |             |     |               | 75       |            |          | _        |          | $\perp$  |          | -1777  |               | 125      |         |          |          |               | Т             | Т              | П        |
|           | 26         | ш       |               | _ i_    |         |          |          |             | -   |               | 76       |            |          | 1        |          |          |          |        |               | 126      |         |          | П        | Т             |               | Т              | П        |
|           | 27         | Ш       |               |         |         |          |          |             |     |               | 77       |            | $\neg$   | П        |          | $\Box$   |          |        |               | 127      | $\neg$  | П        |          | ╛             |               | 十              | T        |
|           | 28         | П       |               | Т       | Т       |          |          |             |     |               | 78       |            | $\top$   |          |          | $\neg$   |          | 1 1    |               | 128      | $\neg$  |          |          | $\neg$        | $\top$        | ┰              | $\top$   |
|           | 29         | П       |               | Т       |         | П        |          |             |     |               | 79       | _          | $\top$   | -        | $\neg$   | +        | 1        |        |               | 129      | $^{-}$  | $\vdash$ | -        | $\dashv$      | +             | +              | +        |
|           | 30         | П       | $\neg$        | $\top$  | 1       | П        |          |             |     | -             | 80       |            | +        | $^{-}$   |          | +        | -        | ı      | _             | 130      | +       |          | $\dashv$ | $\rightarrow$ | +             | +              | +        |
|           | 31         | Н       | $\neg$        | +       | 1-      |          | +        | +           |     | $\neg$        | 81       |            | +        | +        | +        | +        | +        | H      | -             | 131      | +       | 1        | -        | +             | +             | +              | +        |
|           | 32         | Ħ       | _             | +       | +-      | +        | -        | +           |     | $\neg$        | 82       | _          | +        | +        | +        | +        | +        | H      | $\rightarrow$ | 132      | +       | Н        | -        | +             | +             | +              | +        |
| $\vdash$  | 33         | Н       | -+            | +       | +       | +        | -        | +           | -   | -             | 83       | -          | +        | +        | -        |          | _        | H -    |               | 133      | +       | Н        | -        | +             | -             | -              | +        |
| $\vdash$  | 34         | Н       | -             | +       | +       | Н        | +        | +-          | ŀ   | $\rightarrow$ |          | -          | +        | -        | +        | +-       | +-       |        |               |          | +-      | Н        | -        | -             | +             | +              | +        |
| $\vdash$  | 35         | Н       | +             | +       | +       | 1        | +        | +           |     | $\rightarrow$ | 84       | _          | +        | 1        | $\vdash$ | +        | +        |        | $\rightarrow$ | 134      | -       | ш        | -        | 4             | 4             | +              | +        |
| $\vdash$  |            | Н       | -             | +       | +       | $\vdash$ | +        | +           | ı L | -             | 85       | _          |          | $\vdash$ | +        | +        | _        | 100    |               | 135      | -       |          | 4        | 4             | 4             | $\perp$        | ш        |
| $\vdash$  | 36         | Н       | +             | +       | +       | $\vdash$ | _        | 44          |     | _             | 86       | _          | $\perp$  | $\perp$  | $\perp$  | $\perp$  | $\perp$  |        | $\rightarrow$ | 136      |         | Ш        | _        | $\perp$       | 1             |                | $\perp$  |
| $\vdash$  | 37         | Н       | _             | $\perp$ | +       |          | $\perp$  | $\perp$     |     | _             | 87       | _          |          |          | 4        | $\perp$  |          |        |               | 137      | $\perp$ |          | _        | $\perp$       | $\perp$       | ┸              |          |
| $\vdash$  | 38         | Н       | $\perp$       | +       | 4       |          | $\perp$  | ш           | ۱L  |               | 88       |            |          | $\perp$  | $\perp$  | $\perp$  | $\perp$  | L      |               | 138      | $\perp$ | LI       | J        | $_{\rm I}$    | $_{\perp}$    | ┸              | $\Box$   |
| $\vdash$  | 39         | Ц       | _             | $\perp$ | $\perp$ |          | $\perp$  | $\perp$     |     |               | 89       | $_{\perp}$ |          | $\perp$  |          | ш        | $\perp$  |        |               | 139      | $\perp$ | $\Box$   | J        |               | T             | T              |          |
| $\square$ | 40         | П       | _             | 1       | 1       | $\sqcup$ |          | $\perp$     |     |               | 90       | ┚          | $\perp$  |          | $\perp$  | Ш        | $\perp$  |        |               | 140      | T       | П        | 7        | Т             | T             | Т              | П        |
| $\Box$    | 41         | П       | _1            |         | L       | LĪ       | -1       | $\Box$      | H.  | $\neg$        | 91       | 7          | Т        | П        | Т        | $\Box$   |          |        |               | 141      |         |          | _        | $\top$        | 7             | $\top$         | П        |
|           | 42         | П       |               | I       | Г       |          | . T      |             |     |               | 92       | П          | T        | П        | $\neg$   |          |          |        |               | 142      | $\top$  | П        | 7        | 7             | 1             | _              | П        |
|           | 43         | П       | Т             | Т       | Г       | П        | T        |             |     | $\neg$        | 93       | $\neg$     | $\neg$   | П        | $\neg$   | 11       |          |        | $\neg$        | 143      | $^{-}$  | $\vdash$ | +        | $^{+}$        | +             | +              | Н        |
|           | 44         | П       | $\neg$        | Т       | Т       |          |          | $\neg \neg$ | ı   |               | 94       | $\neg$     | $\neg$   | П        | $^{+}$   | +        | -        |        | $\neg$        | 144      | +-      | Н        | _        | +             | +             | +              | +        |
|           | 45         | П       | 十             | T       | Т       | $\Box$   | $\neg$   | $\dashv$    | ıŀ  | $\neg$        | 95       | 7          |          | Н        | $^{+}$   | +        | $\neg$   | -      |               | 145      | +-      | $\vdash$ | +        | +             | +             | +              | H        |
| $\Box$    | 46         | Ħ       | +             | $^{+}$  | t       | $\vdash$ | -        | +           | ŀ   | -             | 96       | $\dashv$   | +        | $\vdash$ | +        | ++       | +        | H      |               | 146      | +-      | Н        | +        | +             | +             | +-             | +        |
| $\vdash$  | 47         | 11      | +             | +       | +-      | Н        | +        | +           | H   | $\rightarrow$ | 97       | -          | +        | $\vdash$ | +        | +        | +        | H      |               |          | +       | $\vdash$ | +        | +             | +             | +              | +        |
| $\vdash$  | 48         | ₩       | +             | +       | +       | Н        | +        | +           | ŀ   | $\rightarrow$ |          | $\dashv$   | -+-      | +        | +        | + +      | +        | III-   |               | 147      | -       | $\vdash$ | +        | +             | +             | +              | +        |
| $\vdash$  | 49         | ++      | +             | +       | +       | Н        | +        | +           | -   | $\rightarrow$ | 98       | -          | +        | H        | -        | +        | +        | -      |               | 148      | +       | Н        | 4        | +             | 4             | +              | $\vdash$ |
| $\vdash$  |            | #       | +             | +       | +       | $\vdash$ | -        | +           | -   | -+            | 99       | _          | -        | $\vdash$ | +        | ++       | $\dashv$ |        |               | 149      | $\perp$ | Ш        | 4        | 4             | +             | +              | $\sqcup$ |
| $\perp$   | 50         | √       |               |         | ــــ    | $\perp$  |          | $\perp$     | L   |               | 100      |            |          |          |          |          |          | -::::L |               | 150      |         |          |          | - 1           | _L            | 1              |          |